Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/22/2020 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125700	0	2.63	125809	2.73
Blue	F	SSC	125000	125908	0	1.93	126778	1.99
Blue	E	FITC	15892	15660	-2	2.88	340	20.39
Blue	D	PE	29999	29314	-3	2.04	639	15.16
Blue	B	PerCP-Cy5-5	43732	44080	0	3.81	1174	21.15
Blue	A	PE-Cy7	30845	31278	1	6.19	599	41.98
Red	C	APC	46112	45240	-2	2.55	1605	12.48
Red	A	APC-Cy7	30458	29543	-4	2.40	780	12.39
Violet	B	V450	7918	7616	-4	4.14	431	13.11
Violet	A	V500	32171	31514	-3	3.82	738	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17543	14.59	634	13	N/A	N/A	Pass
Blue	F	SSC	57639	1.38	574	15	N/A	N/A	Pass
Blue	E	FITC	62	64.02	550	7	0.0191	117	Pass
Blue	D	PE	133	50.47	555	7	0.1482	245	Pass
Blue	B	PerCP-Cy5-5	217	51.36	664	8	0.0084	48	Pass
Blue	A	PE-Cy7	109	105.90	707	9	0.0103	18	Pass
Red	C	APC	381	25.32	590	6	0.0222	68	Pass
Red	A	APC-Cy7	171	29.65	561	5	0.0051	896	Pass
Violet	B	V450	65	57.53	463	5	0.0452	1570	Pass
Violet	A	V500	110	30.18	479	5	0.0209	216	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.66	-32.21	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.08	13.60 - 20.40	N/A	N/A	29.65	30.17	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10087

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments